

Fund 308

Public Works Construction

Board of Supervisors' Adjustments

The following funding adjustments reflect all changes to the FY 2005 Advertised Budget Plan, as approved by the Board of Supervisors on April 26, 2004:

- | | | |
|---|--|------------------|
| ◆ | Developer Default Funding | \$250,000 |
| | An increase of \$250,000 to support road improvements at the Williamsburg Commons subdivision due to a developer default. Improvements include the removal of temporary asphalt and damaged concrete, as well as the installation of a concrete roadway. | |

Focus

This fund supports ongoing improvement projects for storm drainage and stormwater discharge permit requirements, dam repairs, road maintenance, streetlight installations, and the Developer Default Program. Storm drainage projects include corrections to emergency drainage problems, water quality improvements, and environmental monitoring. This fund also supports many types of storm water control programs. The largest portion of this fund is provided to support requirements associated with the Municipal Separate Storm Sewer System (MS4) discharge permit which is part of the Clean Water Act of 1987 and requires water quality testing, watershed master planning, improvement programs, and development of the Geographic Information System (GIS)-based storm sewer system inventory. The MS4 discharge permit is considered a five-year renewal of the National Pollutant Discharge Elimination System (NPDES) permit, effective January 24, 2002. Permit activities are also impacted by other State and Federal mandates, including Total Maximum Daily Loads, the Chesapeake 2000 Agreement, and the Virginia Tributary Strategies. The Perennial Streams Mapping program supports stormwater control assessment by developing a base map of all stream channels in Fairfax County. The result will be a reliable map source depicting the stream network that distinguishes between perennial and intermittent streams, which will be included in the County's GIS.

In addition, the Virginia Department of Conservation and Recreation has classified six dams maintained by the County as potential Class I hazards, which is interpreted as a being "located where failure will cause probable loss of life or serious damage to occupied buildings, industrial or commercial facilities, important public utilities, main highways or roads." The dam repairs project includes funding to provide improvements necessary to meet State permit requirements, establish a monitoring program to assess dam integrity, implement dam repairs, and repair failed detention pond enhancements which fall beyond the scope of maintenance.

The road maintenance and road upgrading projects provide for the upgrading of County roads for acceptance into the State Secondary System and the ongoing maintenance costs for those roads that are not currently included in the State Secondary System. In addition, the County participates with the Virginia Department of Transportation (VDOT) to benefit from the construction of trails and storm sewer infrastructure associated with roadway improvements by sharing in the cost of the VDOT project. Both parties execute the agreements in advance of construction, and actual billing normally occurs after VDOT construction is complete.

The Citizen Petition Street Light Program provides residential lighting at locations justified and desired by residents. Approved locations are determined in consultation with the Fairfax County Police Department, based on nighttime crime rates and traffic safety. Street light petitions must meet pre-approved criteria and are presented annually to the Board of Supervisors for approval.

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The Developer Default Program is necessitated by economic conditions surrounding the construction industry which result in some developers not completing required public facilities including acceptance of roads by the State, walkways, and storm drainage improvements. The costs of providing these improvements may be offset by the receipt of developer default revenues from developer escrow and court judgments and/or compromise settlements. Projects that are constructed with anticipated developer default revenues are dependent on recovery of such revenue. General Fund support of the program is necessary due to the time required between the construction of the improvements and the recovery of the bonds through legal action or when the developer default revenue is not sufficient to fund the entire cost of the project. It should be noted that there is currently no significant unfunded backlog of developer default projects.

Funding in the amount of \$3,265,000 is included in Fund 308, Public Works Construction, in FY 2005. Of this total, an amount of \$2,965,000 is supported by State revenues and \$300,000 is supported through developer default contributions. It should be noted that funding has been limited to the most critical priority projects which are listed in the Summary of Capital Projects that follows.

Changes to FY 2004 Adopted Budget Plan

The following funding adjustments reflect all approved changes in the FY 2004 Revised Budget Plan since passage of the FY 2004 Adopted Budget Plan. Included are all adjustments made as part of the FY 2003 Carryover Review and all other approved changes through December 31, 2003:

- ◆ At the FY 2003 Carryover Review, the Board of Supervisors approved an increase of \$8,774,876 due to the carryover of unexpended project balances in the amount of \$7,980,822 and adjustments of \$794,054. These adjustments include the appropriation of \$619,054 in revenues to support the Developer Default Program and storm drainage projects, as well as \$175,000 in General Fund monies to support the dredging of the Occoquan River.

The following funding adjustments reflect all approved changes to the FY 2004 Revised Budget Plan from January 1, 2004 through April 19, 2004. Included are all adjustments made as part of the FY 2004 Third Quarter Review:

- ◆ At the FY 2004 Third Quarter Review, the Board of Supervisors approved an increase of \$50,000 due to the appropriation of Federal Emergency Management Agency grant funds to support the conversion of the County's Special Flood Hazard Area maps from their original format into a Geographic Information Systems-based format.

A Fund Statement, a Summary of Capital Projects, and Project Detail Tables for each project funded in FY 2005 are provided on the following pages. The Summary of Capital Projects may include some projects without a Total Project Estimate amount. These projects are considered "continuing" projects or projects for which funding is necessary on an ongoing basis (e.g., contingency or planning project). The Project Detail Tables include project location, description, source of funding, and completion schedules.

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FUND STATEMENT

Fund Type G30, Capital Project Funds

Fund 308, Public Works Construction

	FY 2003 Actual	FY 2004 Adopted Budget Plan	FY 2004 Revised Budget Plan	FY 2005 Advertised Budget Plan	FY 2005 Adopted Budget Plan
Beginning Balance	\$8,354,672	\$0	\$6,837,647	\$0	\$0
Revenue:					
Developer Payments-Streetlights ¹	\$4,875	\$0	\$26,229	\$0	\$0
Hunter Mill Streetlight					
Contributions	0	0	95,000	0	0
Developer Defaults ²	68,307	0	1,481,650	300,000	300,000
Miscellaneous ³	146	0	0	0	0
Federal Aid ⁴	20,000	0	54,012	0	0
Federal Emergency Management					
Agency ⁵	0	0	50,000	0	0
Chesapeake Bay Local					
Assistance Grant ⁶	620	0	5,338	0	0
State Aid ⁷	2,620,000	2,045,000	2,145,000	2,965,000	2,965,000
Total Revenue⁸	\$2,713,948	\$2,045,000	\$3,857,229	\$3,265,000	\$3,265,000
Transfer In:					
General Fund (001)	\$0	\$0	\$175,000	\$0	\$250,000
Total Transfer In	\$0	\$0	\$175,000	\$0	\$250,000
Total Available	\$11,068,620	\$2,045,000	\$10,869,876	\$3,265,000	\$3,515,000
Total Expenditures	\$3,948,291	\$2,045,000	\$10,869,876	\$3,265,000	\$3,515,000
Transfers Out:					
County Construction (Fund 303) ⁹	\$282,682	\$0	\$0	\$0	\$0
Total Transfers Out	\$282,682	\$0	\$0	\$0	\$0
Total Disbursements	\$4,230,973	\$2,045,000	\$10,869,876	\$3,265,000	\$3,515,000
Ending Balance¹⁰	\$6,837,647	\$0	\$0	\$0	\$0

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¹ Developer Payments for Project Z00002, Developer Streetlight Program.

² Includes developer default revenues.

³ Miscellaneous receipts include sale of plans.

⁴ An amount of \$90,000 is anticipated from the Environmental Protection Agency Wetlands Grant Program associated with Project Z00020, Stormwater Control Planning. Revenues of \$15,988 were received in FY 2002 and \$20,000 were received in FY 2003. The remaining amount of \$54,012 is anticipated in FY 2004.

⁵ An amount of \$50,000 is anticipated from the Federal Emergency Management Agency associated with Project Z00024, Digital Flood Insurance Rate Map.

⁶ An amount of \$20,000 is anticipated from the Chesapeake Bay Local Assistance Grant Program associated with Project Z00020, Stormwater Control Planning. Revenues of \$14,042 were received in FY 2002 and \$620 was received in FY 2003. The remaining amount of \$5,338 is anticipated in FY 2004.

⁷ Represents HB599 State Aid.

⁸ In order to account for revenues and expenditures in the proper fiscal year, an audit adjustment in the amount of \$68,892 has been reflected as a decrease to the FY 2003 revenues to reflect actual revenues from developer deposits. This adjustment affects the amount of funds carried forward, resulting in a net increase of \$68,892 to the *FY 2004 Revised Budget Plan*. The audit adjustment has been included in the FY 2003 Comprehensive Annual Financial Report (CAFR). Details of the FY 2003 audit adjustments have been included in the FY 2004 Third Quarter Package.

⁹ Represents General Fund monies no longer required and transferred to Fund 303, County Construction, to support other capital project requirements.

¹⁰ Capital projects are budgeted based on the total project costs. Most project span multiple years, from design to construction completion. Therefore, funding for capital projects is carried forward each fiscal year, and ending balances fluctuate, reflecting the carryover of these funds.

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FY 2005 Summary of Capital Projects

Fund: 308 Public Works Construction

Project #	Description	Total Project Estimate	FY 2003 Actual Expenditures	FY 2004 Revised Budget	FY 2005 Advertised Budget Plan	FY 2005 Adopted Budget Plan
A00002	Emergency Watershed Improvements		\$73,216.69	\$181,550.15	\$95,000	\$95,000
L00034	Kingstowne Environmental Monitoring Prog	1,977,988	155,689.52	329,748.71	125,000	125,000
N00095	Dam Improvements And Inspections		870.96	0.00	0	0
N00096	Dam Repairs		720,792.60	1,312,011.04	100,000	100,000
U00005	Secondary Monumentation		0.00	75,000.00	75,000	75,000
U00006	Developer Defaults		168,359.76	1,968,264.58	400,000	650,000
U00100	VDOT Participation Projects		0.00	968,212.68	0	0
V00000	Road Viewer Program		4,435.27	519,332.69	25,000	25,000
V00001	Road Maintenance Program		55,591.24	204,931.69	25,000	25,000
Z00001	Street Lights		748,290.04	117,599.00	0	0
Z00002	Developer Street Light Program		7,032.63	36,518.80	0	0
Z00007	Fund 308 Contingency		0.00	4,102.42	0	0
Z00013	Graffiti Abatement		148.00	0.00	0	0
Z00015	Hunter Mill District St Light Fund	95,000	0.00	95,000.00	0	0
Z00016	Minor Street Light Upgrades		1,981.00	4,424.74	0	0
Z00018	Storm Drainage Projects		606,613.42	1,635,365.10	0	0
Z00020	Stormwater Control Planning	390,000	41,058.16	90,923.55	0	0
Z00021	Perennial Stream Mapping	275,000	114,599.37	132,453.23	0	0
Z00022	Municipal Separate Storm Sewer System	6,675,724	1,249,612.71	2,969,437.13	2,420,000	2,420,000
Z00023	Occoquan River Dredging	175,000	0.00	175,000.00	0	0
Z00024	Digital Flood Insurance Rate Map	50,000	0.00	50,000.00	0	0
Total		\$9,638,712	\$3,948,291.37	\$10,869,875.51	\$3,265,000	\$3,515,000

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A00002	Emergency Watershed Improvements
Countywide	Countywide
Description and Justification: This project supports the correction of emergency drainage problems, engineering studies, and construction to alleviate flooding problems of a recurring or emergency nature. Due to their emergency nature, these drainage problems cannot be identified in advance. FY 2005 funding in the amount of \$95,000 is included to alleviate small-scale emergency problems which arise during the fiscal year.	

	Total Project Estimate	Prior Expenditures	FY 2003 Expenditures	FY 2004 Revised Budget Plan	FY 2005 Advertised Budget Plan	FY 2005 Adopted Budget Plan	Future Years
Land Acquisition		\$119,170	\$3,198	\$1,821	\$0	\$0	\$0
Design and Engineering		1,494,855	49,292	78,504	95,000	95,000	0
Construction		1,550,297	17,096	63,201	0	0	0
Other		67,775	3,631	38,023	0	0	0
Total	Continuing	\$3,232,097	\$73,217	\$181,550	\$95,000	\$95,000	\$0

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$95,000	\$95,000

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L00034	Kingstowne Environmental Monitoring Program
Kingstowne Development/Huntley Meadows Park	Lee
Description and Justification: This project supports the Kingstowne Environmental Monitoring program, established by the Board of Supervisors in June 1985 and intended to continue until completion of the Kingstowne Development. In FY 2002, the program was expanded to include the water quality monitoring requirements required by the U.S. Army Corps of Engineers for the development of the South Van Dorn Street extension. FY 2005 funding in the amount of \$125,000 is included to continue monitoring efforts.	

	Total Project Estimate	Prior Expenditures	FY 2003 Expenditures	FY 2004 Revised Budget Plan	FY 2005 Advertised Budget Plan	FY 2005 Adopted Budget Plan	Future Years
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design and Engineering	1,974,669	1,364,231	155,690	329,749	125,000	125,000	0
Construction	0	0	0	0	0	0	0
Other	3,319	3,319	0	0	0	0	0
Total	\$1,977,988	\$1,367,550	\$155,690	\$329,749	\$125,000	\$125,000	\$0

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$125,000	\$125,000

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N00096	Dam Repairs
Countywide	Countywide
Description and Justification: This project funds improvements necessary to meet State permit requirements, establish a monitoring program to assess dam integrity, and implement dam repairs. The Virginia Department of Conservation and Recreation has classified six dams maintained by the County as a Class I hazard potential. Class I dams are noted in the <u>Virginia Dam Safety Regulations</u> as “those located where failure will cause probable loss of life or serious damage to occupied buildings, industrial or commercial facilities, important public utilities, main highways or roads.” In order to obtain the required permit certification for Class I dams, the County must perform inspections of all dams and begin to address safety improvements. This project also funds small dam repair, and the repair of failed detention pond enhancements which fall beyond the scope of maintenance. FY 2005 funding in the amount of \$100,000 is included for conducting inspections, monitoring, and repairing dams and emergency spillways.	

	Total Project Estimate	Prior Expenditures	FY 2003 Expenditures	FY 2004 Revised Budget Plan	FY 2005 Advertised Budget Plan	FY 2005 Adopted Budget Plan	Future Years
Land Acquisition		\$23,384	\$7,597	\$0	\$0	\$0	\$0
Design and Engineering		450,178	199,006	113,998	100,000	100,000	0
Construction		1,101,977	488,985	1,138,305	0	0	0
Other		14,873	25,205	59,708	0	0	0
Total	Continuing	\$1,590,411	\$720,793	\$1,312,011	\$100,000	\$100,000	\$0

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$100,000	\$100,000

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U00005	Secondary Monumentation
Countywide	Countywide
Description and Justification: This project supports the maintenance and establishment of geodetic survey control points for the GIS system. Monumentation is placed on the ground for the use of both the private and public sector for surveying and mapping control. More than 1,400 survey monuments have been established in the County, however it is estimated that more than one third of these no longer exist as a result of construction activities, erosion, and vandalism. FY 2005 funding in the amount of \$75,000 is included to continue the maintenance and upgrade of existing GIS control points.	

	Total Project Estimate	Prior Expenditures	FY 2003 Expenditures	FY 2004 Revised Budget Plan	FY 2005 Advertised Budget Plan	FY 2005 Adopted Budget Plan	Future Years
Land Acquisition		\$0	\$0	\$0	\$0	\$0	\$0
Design and Engineering		1,534,665	0	13,500	0	0	0
Construction		10,789	0	61,500	75,000	75,000	0
Other		1,775	0	0	0	0	0
Total	Continuing	\$1,547,229	\$0	\$75,000	\$75,000	\$75,000	\$0

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$75,000	\$75,000

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U00006	Developer Defaults
Countywide	Countywide
Description and Justification: This project is necessitated by economic conditions surrounding the construction industry that result in some developers not completing required public facilities, including acceptance of roads by the State, walkways, and storm drainage improvements. The receipt of monies from developer escrow and court judgments and/or compromise settlements may offset these costs. FY 2005 funding in the amount of \$650,000 is included for road improvements to the Williamsburg Commons subdivision (\$250,000) as well as construction of developer default projects which will be identified throughout the fiscal year (\$400,000). There is currently no significant unfunded backlog of developer default projects.	

	Total Project Estimate	Prior Expenditures	FY 2003 Expenditures	FY 2004 Revised Budget Plan	FY 2005 Advertised Budget Plan	FY 2005 Adopted Budget Plan	Future Years
Land Acquisition		\$333,606	\$6,035	\$6,782	\$7,000	\$7,000	\$0
Design and Engineering		3,238,601	64,110	133,746	104,000	104,000	0
Construction		11,574,671	97,590	1,174,208	282,000	532,000	0
Other		452,738	625	653,529	7,000	7,000	0
Total	Continuing	\$15,599,617	\$168,360	\$1,968,265	\$400,000	\$650,000	\$0

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$250,000	\$0	\$0	\$400,000	\$650,000

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V00000	Road Viewer Program
Countywide	Countywide
Description and Justification: This project provides for the upgrading of roads for acceptance into the State Secondary Road System. Funding provides for survey, engineering, and road construction of projects in the Board of Road Viewers Program. Once improvements are funded and completed, the need for ongoing County maintenance work on the roadway is eliminated. The Board of Road Viewers Program is enabled under the <u>Code of Virginia</u> and has been adopted by the Board of Supervisors. FY 2005 funding in the amount of \$25,000 is included to continue upgrading roads for acceptance into State Secondary Road System.	

	Total Project Estimate	Prior Expenditures	FY 2003 Expenditures	FY 2004 Revised Budget Plan	FY 2005 Advertised Budget Plan	FY 2005 Adopted Budget Plan	Future Years
Land Acquisition		\$170,060	\$0	\$44,397	\$5,000	\$5,000	\$0
Design and Engineering		595,756	4,435	117,379	20,000	20,000	0
Construction		1,496,163	0	283,653	0	0	0
Other		125,983	0	73,903	0	0	0
Total	Continuing	\$2,387,962	\$4,435	\$519,333	\$25,000	\$25,000	\$0

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$25,000	\$25,000

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V00001	Road Maintenance Program
Countywide	Countywide
Description and Justification: This project provides funding for maintenance of the roads in Fairfax County not currently included in the Virginia Department of Transportation (VDOT) Secondary Road System. The goal of this program is to ensure the safe operation of motor vehicles through maintenance of these existing County travelways. The State law (Section 33.1-225.3) permits Fairfax County to expend funds on roadway maintenance and minor improvements on roads not within the State Secondary Road System, provided such roads have a right-of-way of 15 feet minimum dedicated to public use. The maximum amount of mileage to be maintained under the State law shall not exceed 30 miles per year. Maintenance work includes but is not limited to grading snow and ice control, replacement of substandard materials, patching of existing travelways, minor ditching, and stabilization of shoulders, slopes, and drainage facilities. FY 2005 funding in the amount of \$25,000 is included for continued road maintenance.	

	Total Project Estimate	Prior Expenditures	FY 2003 Expenditures	FY 2004 Revised Budget Plan	FY 2005 Advertised Budget Plan	FY 2005 Adopted Budget Plan	Future Years
Land Acquisition		\$241,660	\$30,303	\$0	\$0	\$0	\$0
Design and Engineering		876,500	25,289	38,817	25,000	25,000	0
Construction		1,764,060	0	136,164	0	0	0
Other		94,186	0	29,950	0	0	0
Total	Continuing	\$2,976,406	\$55,591	\$204,932	\$25,000	\$25,000	\$0

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$25,000	\$25,000

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Z00022	Municipal Separate Storm Sewer System
Countywide	Countywide
Description and Justification: This project provides funding for the activities associated with the Virginia Pollutant Discharge Elimination System (VPDES) Municipal Separate Storm Sewer System (MS4) discharge permit, which is required as part of the Clean Water Act amendments of 1987, and mandates implementation of a water quality management program. The MS4 discharge permit is considered a five-year renewal of the National Pollutant Discharge Elimination System (NPDES) permit, effective January 24, 2002. Activities include water quality testing, watershed master planning, improvement programs, and development of the GIS-based storm sewer system inventory. FY 2005 funding in the amount of \$2,420,000 is included to continue this project. Permit activities are also affected by other State and Federal mandates, including Total Maximum Daily Loads, the Chesapeake 2000 Agreement, and the Virginia Tributary Strategies.	

	Total Project Estimate	Prior Expenditures	FY 2003 Expenditures	FY 2004 Revised Budget Plan	FY 2005 Advertised Budget Plan	FY 2005 Adopted Budget Plan	Future Years
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design and Engineering	6,655,530	36,674	1,238,665	2,960,191	2,420,000	2,420,000	0
Construction	495	0	495	0	0	0	0
Other	19,699	0	10,453	9,246	0	0	0
Total	\$6,675,724	\$36,674	\$1,249,613	\$2,969,437	\$2,420,000	\$2,420,000	\$0

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$2,420,000	\$2,420,000